

Technologies/ methodologies to reduce synthetic inputs and contamination

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Introduction/ The Problem

- The growing belief that Production is not possible without synthetic Agroinputs
- Africa uses minimum quantities of synthetic chemicals
- The misconception that many pesticides are not harmful
- ► The misuse of some synthetics in the value chain
- The slow effect on humans

Alternative methodologies/ technologies

▶ 1. Creating awareness/ change on mind set



Case of example:
Use of Diathene M45
(Fungicide) as a post harvest preservative to extend shelf life of Tomatoes

2. Training/ Curriculum reviews and development

- Knowledge is Power
- Curriculum reviews for training institution with help of EOAI
- Curriculum development at UMU
- Short courses/ Local and International (ITCOA)
- Diploma level Organic
- Bachelor degree Agroecology
- Masters in Agroecology
- PhD Agroecology and food systems
- ▶ The Power of extension staff/ Game changers

3. Research and publication

- ► To establish knowledge levels of farmers along the value chain
- ► To identify and verify existing technologies
- Efficacy
- Dosing
- Authenticity
- To document Indigenous Knowledge that contribute to Agroecological practices



Publication and dissemination

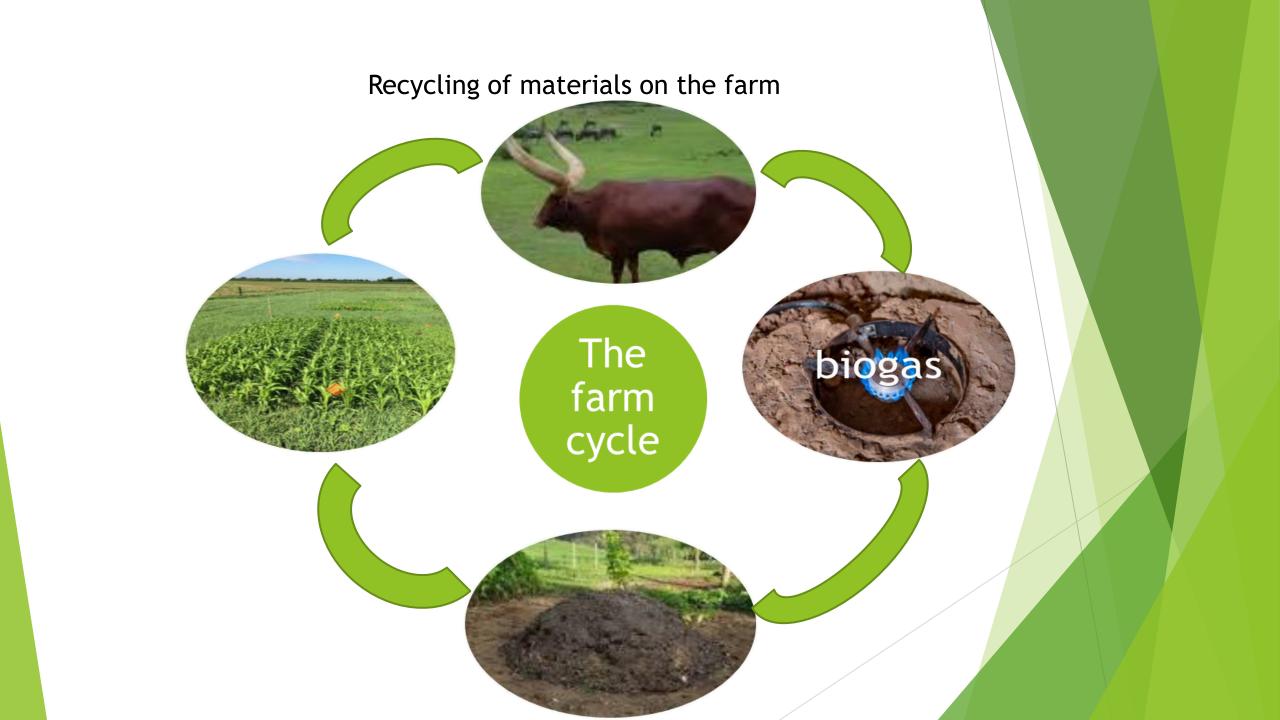
- Papers in Journals African Journal of Agroecology and Livelihood systems
- Mass media
- Simple tools like Cartoons

Some working technologies

- The system approach on a farm recycling of materials on farms
- Agroforestry in Nindye village, Uganda
- Soil amendments like farmyard manure in Banana plantations in Bushenyi, Uganda
- ► Intercropping in Northern Uganda to control pests
- Seed/ Planting material hygiene to reduce disease spread Banana bacterial wilt (caused by Xanthomonas campestris)
- Promotion of acceptable agro-inputs eg The Biochar fertilizers
- Seed selection and hygiene Mature well formed and properly stored seed
- ► ICT in use Different Apps

All need constant research and review



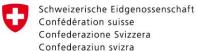


Thanks!

ANY QUESTIONS?

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